

Title (en)

BRANCHED INFINITELY-VARIABLE HYDROMECHANICAL TRANSMISSION FOR MOTOR VEHICLES

Publication

EP 0238521 B1 19901227 (DE)

Application

EP 86905224 A 19860917

Priority

DE 3533193 A 19850918

Abstract (en)

[origin: WO8701782A1] Branched infinitely-variable hydromechanical transmission for motor vehicles with at least two gear changing ranges, the progressive adjustment of the gear system being effected by a hydrostatic gear unit (9). The gear system consists of smaller hydrostatic (A, B) units than those of previous systems, its weight per unit power and volume are lower. Its power capacity is increased by 6 to 10 times compared with a hydrostatic gear-box. The hydrostatic assembly (9), a summing planetary gear (10) and a second planetary gear (11) form the basic units which are constantly connected together irrespective of the gear combination. Clutches (12) connect the output shaft (3), depending on the gear change range, with one of the shafts of the summing planetary gear (10) or to a shaft of the second planetary gear (11).

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F16H 47/04

IPC 8 full level

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CPC (source: EP US)

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Cited by

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